

Appln. No. 10/618,856

Amdt. dated March 10, 2005

Reply to Office action of February 15, 2005

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (Original). A method for inhibiting aggregation of β -amyloid in a subject or disaggregating aggregated β -amyloid in a subject, comprising administering to a subject in need thereof an effective amount of a filamentous bacteriophage which displays an epitope of β -amyloid so as to elicit antibodies against said epitope in said subject, wherein said antibodies inhibit aggregation of said β -amyloid in said subject and/or cause disaggregation of said β -amyloid aggregate in said subject.

2 (Original). The method of claim 1, wherein said bacteriophage propagates in bacterial flora in said recipient.

3 (Original). The method of claim 1, wherein said bacteriophage propagates in *Escherichia coli*.

4 (Original). The method of claim 1, wherein said bacteriophage is fd.

5 (Original). The method of claim 1, wherein said filamentous bacteriophage which displays an epitope of β -amyloid is selected such that less than 30 days following an introduction of a triple dose of 10^{10} units thereof to the

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recipient, a titer of said antibodies is above 1:50,000, as ~~is~~ determined by ELISA.

6 (Original). A method in accordance with claim 1, wherein said epitope of β -amyloid is displayed via coat glycoprotein VIII on said bacteriophage.

7 (Original). A method in accordance with claim 1, wherein said bacteriophage is M13.

8 (Original). A method in accordance with claim 1, wherein said bacteriophage displays SEQ ID NO:1.

9 (Original). A method in accordance with claim 1, wherein said bacteriophage displays a peptide selected from the group consisting of SEQ ID NO:3, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:21, and SEQ ID NO:22.

10 (Original). A method in accordance with claim 8, wherein said epitope of β -amyloid is displayed via coat glycoprotein VIII on said bacteriophage.

11 (Original). A method in accordance with claim 9, wherein said epitope of β -amyloid is displayed via coat glycoprotein VIII on said bacteriophage.

12 (Original). A method in accordance with claim 1, wherein said administering is to the olfactory system of the subject.

13-17 (Cancelled).

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